

# Public Health Reports

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No. 42.

## UNITED STATES.

### *Yellow fever in the South.*

Continuing the report of yellow fever in the South, under date of October 8, Passed Assistant Surgeon G. B. Young, stationed at Memphis, Tenn., was authorized to appoint inspectors for and guard the Tennessee River. This action was taken at the request of the State board of health of Tennessee. State Health Officer Dr. W. H. Sanders reported 1 case of yellow fever at Alco, Ala., a small hamlet about 1 mile distant from Brewton. He stated there was no exposure to any person outside the patient's family and that all necessary precautions had been taken.

October 9: Acting Assistant Surgeon John Guitéras, at Galveston, Tex., reported, after a thorough investigation, 5 cases of yellow fever under treatment and 3 recovered, with an extensive epidemic of dengue causing much confusion. Surgeon H. R. Carter, who had been instructed to obtain a site for a detention camp for persons desiring to work in the cane fields of Louisiana, reported he had, with Passed Assistant Surgeon Geddings, selected a point about 15 miles from Algiers on the lines of the Southern Pacific and Texas Pacific railroads, near Avondale, and Steward S. W. Richardson (on duty at Camp Fontainebleau, Mississippi) was ordered to report to Surgeon Carter for duty in connection with the establishment of the camp.

October 10: Acting Assistant Surgeon John Guitéras wired that, in company with State Health Officer Dr. R. M. Swearingen, he intended visiting Houston, Tex., where much dengue was reported. Surgeon Carter, at the request of Drs. Hunter and Kiger, president and secretary State board of health, Mississippi, investigated several cases of fever at Terry, 10 miles south of Jackson, and found them to be simple malarial

fever. The reported cases of fever at Patterson, La., were investigated by Surgeon Carter, who, with Drs. Sanders and Smith and two local physicians, agreed there was not even a suspicion of yellow fever.

October 11: Acting Assistant Surgeon John Guit  ras reported 3 cases of yellow fever at Houston, Tex. Passed Assistant Surgeon Young was authorized to discontinue the Chattanooga train service, but to place inspectors on the roads connecting middle and west Tennessee. Acting Assistant Surgeon Booth reported an outbreak of dengue at Shreveport, La. Passed Assistant Surgeon White was ordered from Camp Fontainebleau to report to Surgeon Carter for duty at the camp for sugar-cane laborers—"Camp Hutton"—leaving Passed Assistant Surgeon J. O. Cobb in command of Camp Fontainebleau.

October 12: Daily reports of cases of yellow fever and deaths were requested by the Bureau from the health physicians of Houston and Galveston, Tex. Similar request was made of Dr. McHenry concerning the town of McHenry, Miss. Acting Assistant Surgeon John Guit  ras was authorized to visit Beaumont, Tex., where Passed Assistant Surgeon Magruder reported suspicious cases.

October 13: The governor of Texas and the State health officer were informed that the Bureau was ready to aid the State officers in enforcing regulations for preventing the spread of disease in his State, employing at the same time such measures as might also relieve the embargo upon traffic. The disinfection of mails from infected districts in Texas was inaugurated. Camp Hutton, near Avondale, La., open for reception of sugar-cane laborers.

October 14: Surgeon Carter reported 1 fatal case occurring in Franklin, La., and that exposed had been removed to Camp Hutton.

*Yellow fever in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service to October 13, 1897.\**

States.	Cities.	Date.	Cases.	Deaths.
Alabama .....	Mobile.. .....	Sept. 13-Sept. 30...	63	10
		Oct. 1-Oct. 6...	18	4
		Oct. 7.....	4	0
		Oct. 8.....	6	0
		Oct. 9.....	5	2
		Oct. 10.....	7	2
		Oct. 11.....	5	0
		Oct. 12.....	3	0
		Oct. 13.....	13	0
		Oct. 11.....	1	.....
Georgia.....	Wagar .....	Sept. 23.....	1	.....
Illinois .....	Atlanta.....	Sept. 19.....	2	.....
		Sept. 20.....	2	.....
Kentucky.....	Louisville .....	Sept. 23.....	1	1
Louisiana.....	New Orleans .....	Sept. 8-Sept. 30...	226	27
		Oct. 1-Oct. 6...	197	15
		Oct. 7.....	31	2
		Oct. 8.....	49	5
		Oct. 9.....	35	6
		Oct. 10.....	37	5
		Oct. 11.....	39	4
		Oct. 12.....	38	3
		Oct. 13.....	31	9

\* For daily reports of cases and deaths, see PUBLIC HEALTH REPORTS October 8 and before.

*Yellow fever in the United States, etc.—Continued.*

States.	Cities.	Date.	Cases.	Deaths.
Mississippi .....	Alco .....	Oct. 8.....	1	0
	Barkley.....	Sept. 13-Sept. 18...	10	4
	Biloxi .....	Sept. 1-Sept. 30...	132	7
		Oct. 1-Oct. 6...	90	3
		Oct. 7.....	10	1
		Oct. 8.....	11	1
		Oct. 9.....	15	0
		Oct. 10.....	9	1
		Oct. 11.....	12	0
		Oct. 12.....	12	0
		Oct. 13.....	17	0
	Clinton.....	Oct. 7.....	10	1
		Oct. 9.....	0	0
		Oct. 10.....	1	0
		Oct. 12.....	1	0
	Edwards.....	Sept. 15-Sept. 30...	212	6
		Oct. 1-Oct. 6.....	95	7
		Oct. 7.....	10	0
		Oct. 8.....	13	4
		Oct. 9.....	16	1
		Oct. 10.....	9	1
		Oct. 11.....	5	2
		Oct. 12.....	10	0
		Oct. 13.....	7	1
	Hendersons Point.....	Oct. 7.....	3	0
	McHenry .....	Sept. 30.....	2	0
		Oct. 1.....	2	0
		Oct. 5.....	2	0
		Oct. 12.....	5	0
		Oct. 13.....	1	1
	Nita Yuma.....	Oct. 3-Oct. 6.....	8	0
		Oct. 7.....	0	0
		Oct. 8.....	1	0
		Oct. 11.....	0	1
	Ocean Springs.....	Sept. 8-Sept. 30...	23	6
	Scranton .....	Sept. 10-Sept. 30...	39	3
		Oct. 1-Oct. 6.....	50	2
		Oct. 7.....	7	0
		Oct. 8.....	11	0
		Oct. 9.....	7	0
		Oct. 10.....	10	0
		Oct. 11.....	9	0
		Oct. 12.....	0	0
		Oct. 13.....	9	1
Texas .....	Perkinston.....	Sept. 10.....	1	0
	Beaumont.....	Sept. 22.....	1	0
	Galveston .....	Oct. 9.....	5	0
		Oct. 10.....	2	0
		Oct. 11.....	5	0
	Houston.....	.....do.....	3	0

*Correction.*

In PUBLIC HEALTH REPORTS No. 38, September 17, 1897, page 976, the following rules from the Rules and Regulations of the Florida board of health should have appeared as "Inclosure No. 2," instead of rules 28 to 34, inclusive, as printed :

## INTERSTATE QUARANTINE AND MEDICAL INSPECTION.

Rule 92. *Detention of passengers from points quarantined.*—When ever yellow fever, cholera, smallpox, or any other contagious or infectious disease shall exist or prevail in any city or town of any State of the United States, Mexico, or Canada, to such an extent as may be adjudged by the State health officer to endanger the health of the inhabitants of the State of Florida, then the State board of health may declare a quarantine against such place, and all individuals entering the State of Florida from such infected locality by means of vessels,

railway, stage, and inland water navigation, shall be detained at such points on or near the border line of Florida as may be selected by the State health officer, for observation of passengers and treatment and isolation of sick, and for fumigation of baggage, freight, and mails.

In such case any individual or individuals found upon any vessel, railway train, stage coach, steamboat, or other conveyance, suffering from any epidemic, contagious, or infectious disease, and all persons who, in the opinion of the sanitary medical inspector at any quarantine station may reasonably be suspected of having been subject to infection or contagion from such individual or individuals, shall be detained for treatment and observation not less than ten days, or for such further time as the State health officer shall deem necessary for the safety of the public health.

Rule 93. *Passenger certificate of good health.*—Persons desiring to enter the State of Florida on any railroad, steamboat, or stage coach, or otherwise, passing any quarantine station, will be required to produce to the inspecting officer, duly appointed by the State health officer, a certificate, signed by the mayor, under the corporate seal, if the person is from a municipal corporation, and if not from a municipal corporation, then a certificate from a justice of peace, that said person has not been exposed, either in person or baggage, to infection or contagion, within fifteen days before the date of said certificate. Said certificate shall bear date not more than five days prior to such presentation; otherwise said person or persons, and his or her baggage, will be detained at such quarantine station as provided for in Rule 92.

Rule 94. *Bedding, rags, etc., prohibited.*—No bedding, household goods, or rags shall be brought from any city, town, or place of any other State or country where epidemic, contagious, or infectious disease exists, into the State of Florida.

Rule 95. *Baggage must be disinfected.*—All personal baggage of the description usually carried in trunks brought into this State from any city, town, or place of any other State of the United States, or any foreign country, where any epidemic, contagious, or infectious disease exists, shall be subjected to thorough disinfection by an agent of this board by superheated steam, dry heat, of high temperature, or medicated vapor, according to the nature of the article.

Rule 96. *Cars must be disinfected.*—All day, sleeping, or other railroad cars, stage coaches, or other conveyances, steamboat or other craft, on which any epidemic, contagious, or infectious disease is found to exist, and all through sleeping cars, coming from infected points, shall be detained and thoroughly disinfected by an agent of this board before being allowed to enter the State of Florida.

Rule 97. *Freight and mail must be disinfected.*—All freight, mail, or other goods not heretofore provided for, brought into the State from any city, town, or place of any other State of the United States, or any foreign country where epidemic, contagious, or infectious disease exists, shall be thoroughly disinfected by an agent of this board, except such freight as may in the opinion of the State health officer be deemed free from danger of infection or contagion.

Rule 98. *Transportation companies to follow regulations.*—Any transportation company, corporation, stage line, vessel, or individual transporting passengers, freight, mail, baggage, or cars, without detention of the same for inspection and disinfection, as heretofore prescribed, or otherwise violating rules 92, 94, 95, 96, and 97 shall be subject to prosecution, as provided for in Rule 2.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

*One case of yellow fever from the British steamship Somerhill at Baltimore.*

[Telegram.]

BALTIMORE, MD., October 11, 1897.

Dr. Heiskell, in charge of local quarantine, informs me there is 1 case of yellow fever in hospital from steamship *Somerhill*. The steamer is being thoroughly disinfected and the Treasury regulations strictly complied with.

PURVIANCE,  
Surgeon, U. S. M. H. S.

*Smallpox on the Norwegian steamship Oscar II.*

[Telegram.]

FORT MONROE, VA.,  
CAPE CHARLES QUARANTINE,  
October 8, 1897.

Sent sailor with smallpox to Fishermans Island to-day; off Norwegian steamer *Oscar II* from Tampico via Galveston; request of Norfolk quarantine officer.

PETTUS,  
Passed Assistant Surgeon, U. S. M. H. S.

*Quarantine regulations at Memphis.*

[Quarantine Order No. 4.]

CITY OF MEMPHIS, OFFICE OF THE MAYOR,  
Memphis, Tenn., October 8, 1897.

Quarantine Order No. 3, issued from this office September 16 last against Atlanta, Ga., is hereby so modified as to admit persons and baggage from Atlanta having a health certificate from Atlanta board of health, or from an officer of the United States Marine-Hospital Service certifying that party named in certificate has not been exposed to yellow fever within ten days.

This modification not to apply to persons or baggage passing through Atlanta from New Orleans, Mobile and infected points on the Gulf Coast as named in Quarantine Order No. 2, of date September 12, 1897.

W. L. CLAPP, Mayor.

G. B. THORNTON,  
President Board of Health.



*Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, December 29, 1896, to October 15, 1897.*

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama:</b>				
Bessemer.....	Sept. 26-Oct. 2.....	1		
Birmingham and adjacent country.....	May 8-Aug. 12.....	96	1	
	Aug. 21-Oct. 2.....	62		
Brockton.....	Aug. 29.....	1		
Mobile.....	Dec. 24-Jan. 26.....	2		
	Mar. 28.....	1		
	Apr. 17.....	1		
	May 21.....	1		
	May 31.....	1		
Montgomery.....	Aug. 7-Aug. 13.....	28		
Union Springs.....	Mar. 21.....		1	
<b>Connecticut:</b>				
New Haven.....	Feb. 17.....	1		
<b>Florida:</b>				
Pensacola.....	Jan. 19-Feb. 20.....	13		
	Feb. 28-Mar. 10.....	14		12 varioloid.
	Mar. 27-Apr. 3.....	3		Varioloid.
	Apr. 10-May 1.....	10		Do.
	May 2-May 22.....	7		Do.
	May 29-June 5.....	2		Do.
	July 4-July 10.....			1 case varioloid.
Escambia County (not including Pensacola).....	Dec. 2-Jan. 19.....	18		
<b>Illinois:</b>				
Chicago.....	Mar. 25.....			Smallpox reported brought from Mexico.
	Mar. 27-Apr. 3.....		1	
	Apr. 10-Apr. 17.....	2		
	May 8-May 15.....		1	
<b>Indiana:</b>				
Greenwood.....	Feb. 12.....	1		
<b>Louisiana:</b>				
New Orleans.....	Sept. 8.....	1		Varioloid.
<b>Massachusetts:</b>				
Boston.....	May 1-May 8.....	4		
	May 22-May 29.....	1		
Cambridge.....	June 6-June 26.....	3		Varioloid, 1 smallpox.
Gloucester.....	June 19-June 26.....	1	2	
New Bedford.....	Apr. 10-Apr. 17.....	1		
<b>Michigan:</b>				
Blissfield Township.....	Mar. 27-Apr. 10.....			Smallpox reported.
	Apr. 17-May 1.....			Do.
<b>Missouri:</b>				
St. Louis.....	April 29.....	2		
	May 1-May 22.....	2	3	
<b>New Mexico:</b>				
Albuquerque.....	Sept. 19.....	1		
<b>New York:</b>				
Brooklyn.....	Apr. 24-June 26.....	5	2	
	June 27-July 24.....	2	1	
New York.....	Mar. 1-Mar. 31.....		2	Do.
	Apr. 17-May 15.....		10	
	June 13-June 19.....		3	
	July 4-July 24.....		3	
<b>Ohio:</b>				
Toledo.....	Apr. 1-May 31.....	14	2	
	June 1-June 30.....	4	1	
<b>Pennsylvania:</b>				
Drifton.....	Apr. 6.....	1		
<b>Tennessee:</b>				
Memphis.....	Apr. 1-June 26.....	21		
	July 4-July 17.....	3		
	Aug. 15-Aug. 21.....	1		
<b>Washington:</b>				
Tacoma.....	Feb. 6.....	1		
Olympia.....	Mar. 1.....	1		

*Report of immigration at Boston for the week ended October 9, 1897.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, October 9, 1897.**Number of alien immigrants who arrived at this port during the week ended October 9, 1897;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 3	Steamship Yarmouth.....	Yarmouth, Nova Scotia .....	202
Oct. 4	Steamship Halifax.....	Halifax, Nova Scotia.....	268
Do....	Schooner Two Brothers.....	Weymouth, Nova Scotia.....	1
Do....	Steamship Cephalonia.....	Liverpool, England, and Queens- town, Ireland.....	287
Oct. 5	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	122
Do....	Steamship Michel.....	Liverpool, England.....	1
Oct. 6	Steamship Philadelphia.....	do.....	4
Do....	Steamship Boston.....	Yarmouth, Nova Scotia.....	79
Do....	Schooner Sunshine.....	Harborville, Nova Scotia.....	2
Oct. 7	Steamship Hibernian.....	Glasgow, Scotland.....	105
Do....	Steamship Canada.....	Liverpool, England, and Queens- town, Ireland.....	385
Do....	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	133
Do....	Steamship Olive.....	Halifax, Nova Scotia.....	162
Oct. 8	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	141
Oct. 9	Steamship Boston.....	do.....	75
Do....	Steamship Virginian.....	London, England.....	1
Total.....			1,968

GEO. B. BILLINGS,  
*Commissioner.**Report of immigration at New York for the week ended October 9, 1897.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, October 11, 1897.**Number of alien immigrants who arrived at this port during the week ended October 9, 1897;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 3	Steamship Rotterdam.....	Rotterdam.....	211
Do....	Steamship California.....	Hamburg.....	134
Oct. 4	Steamship City of Rome.....	Glasgow.....	263
Oct. 5	Steamship Friesland.....	Antwerp.....	293
Do....	Steamship Kaiser Wilhelm II.....	Genoa and Gibraltar.....	305
Oct. 6	Steamship Pisa.....	Hamburg.....	55
Do....	Steamship Teutonic.....	Liverpool and Queenstown.....	679
Oct. 7	Steamship Amsterdam.....	Amsterdam.....	60
Do....	Steamship Prussia.....	Hamburg.....	48
Do....	Steamship Trave.....	Bremen.....	195
Do....	Steamship Patria.....	Marseilles and Naples.....	289
Oct. 8	Steamship Hekla.....	Copenhagen, etc.....	159
Do....	Steamship Barbarossa.....	Bremen.....	316
Do....	Steamship Fuerst Bismarck.....	Hamburg.....	123
Oct. 9	Steamship St. Louis.....	Southampton.....	315
Do....	Steamship Campania.....	Liverpool and Queenstown.....	457
Total.....			3,902

THOMAS FITCHIE,  
*Commissioner.*

*Report of immigration at Philadelphia for the week ended October 9, 1897.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, October 9, 1897.**Number of alien immigrants who arrived at this port during the two weeks ended October 9, 1897; also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
Oct. 5	Steamship Pennsylvania .....	Antwerp .....	132
Oct. 6	Steamship Indiana .....	Liverpool and Queenstown.....	101
	Total .....		233

JNO. J. S. RODGERS,  
*Commissioner.*



## QUARANTINE REPORTS.

## National quarantine and inspection stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.	Oct. 9	Sp. bk. Fama de Cuba	Sept. 24	Habana	Brunswick	Disinfected and held.	Oct. 6		1
Brunswick, Ga.	do.	Am. sc. James Judge	Oct. 2	do.	do.	do.	Oct. 9		3
		Am. sc. Johanna Swan	do.	St. Thomas	do.	do.	do.		
Cape Charles, Va.	do.	Br. ss. Honiton	Oct. 5	Habana	Boston	Held and refused pratique without disinfection.	Oct. 6	6 cases yellow fever; 2 died at sea; refused disinfection and sailed for Boston.	9
		Nor. ss. Oscar II	Oct. 7	Galveston	Norfolk (for coal).	Treated by Norfolk quarantine officer.	Oct. 8	3 cases malarial (?) fever and 1 smallpox; crew vaccinated and case of smallpox sent to Fisherman's Island.	
Cape Fear, N. C.	do.	Nor. bk. Royal	Sept. 29	Rio	Wilmington, N. C.	Disinfected and held.			1
Delaware Breakwater Quarantine, Del.	do.	Nor. ss. John Wilson	Oct. 3	Bocas del Toro.	Philadelphia	Removed body and remanded vessel to Reedy Island Quarantine for disinfection.	Oct. 3	1 case yellow fever sent ashore at Bocas; 1 death from yellow fever at sea.	6
Eureka, Cal.	Sept. 29								2
Grays Harbor, Wash.	Oct. 6								1
Gulf Quarantine, Ship Island, Miss.	Oct. 2								
Newbern, N. C.	Oct. 9								
Port Townsend, Wash.	Oct. 2	Br. bk. Cape York	Sept. 25	Panama	Port Townsend.	Held for disinfection.		No transactions.	4
Reedy Island Quarantine, Del.	Oct. 9	Nor. ss. John Wilson	Oct. 4	Bocas del Toro	Philadelphia	do.		8 cases yellow fever in Panama, 4 deaths, 1 death at sea from yellow fever, Oct. 1.	13
San Diego, Cal.	Oct. 2							134 Chinese and 10 Japanese steerage passengers from British steamship Doric, bathed, and their clothing and baggage disinfected.	4
San Francisco Quarantine, Cal.	do.								22

\* Previously reported.

**QUARANTINE REPORTS—Continued.**  
*National quarantine and inspection stations—Continued.*

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
South Atlantic Quarantine, Hackett Island, Georgetown, Key West, Fla.	Oct. 2	Br. bk. George Thompson.*	Sept. 12	Rio	Brunswick.	Disinfected.	Sept. 30		
	Sept. 23	Am. sc. Scotia.*	Sept. 9	Colon	Mobile.	do	Sept. 19	1 case pneumonia and 5 cases malarial cachexia.	
		Am. sc. James Slater.*	Sept. 14	Sagua	Pascagoula.	do	do		
		Am. sc. Harold C. Becker.*	do	Gauleloup.	Apalachicola.	do	Sept. 21		
		Am. sc. Wave.	Sept. 22	Habana	Key West.	Disinfected and held.			
		Nor. bk. Mizpah.	do	Bahia	Apalachicola.	Held for disinfection.			
		Am. sc. Maggie G.	Sept. 23	Cienfuegos.	do	Disinfected and held.		4 cases beriberi on board.	
	Oct. 2	Am. sc. Wave.*	Sept. 22	Habana	Key West.	Disinfected.	Sept. 27		1
		Nor. bk. Mizpah.*	do	Bahia	Apalachicola.	Disinfected and held.	Sept. 28		
		Am. sc. Maggie G.	Sept. 23	Cienfuegos.	do	do			
Washington, N. C.	Oct. 9	Am. sc. Georgia L. Hart.* Drake.	Oct. 2	Sagua	do	Held for disinfection.		No transactions.	

\* Previously reported.

## QUARANTINE REPORTS—Continued.

## State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Anclote, Fla.								No report.	
Apalachicola, Fla.								do	
Bangor, Me.	Oct. 2							do	34
Boston, Mass.	Oct. 10								2
Carrabelle, Fla.									
Cedar Keys, Fla.	Oct. 9							No report.	7
Charleston, S. C.	Oct. 9							No report.	12
Charlotte Harbor, Fla.									
Elizabeth River, Va.	Oct. 9	Nor. ss. Oscar II.	Oct. 7	Galveston		Sent to United States Quarantine for disinfection.	Oct. 9	No report.	
Galveston, Tex.								No report.	
Gardiner, Oreg.	Oct. 9							do	
Georgetown, S. C.	Oct. 9							No transactions.	
Gloucester, Mass.	Oct. 2							No report.	8
Key West, Monroe Co., Fla.	Oct. 9							No report.	9
Mayport, Fla.	Oct. 2	Nor. ss. Utstein *	Sept. 18	Bocas del Toro.	Mobile.	Disinfected and held.	Sept. 27	No report.	
Mobile Bay, Ala.		Kjarian *	Sept. 19	Vera Cruz	do	do	Sept. 29		
		Nor. ss. Yumeri *	Sept. 21	Bocas del Toro.	do	do	do		
		B. r. ss. Margaret Smith.	Sept. 22	Belize	do	do	Sept. 26		
		Pilot boat Hunter *	Sept. 23	Biloxi	do	do	Sept. 30		
		Nor. ss. Colombia *	Sept. 24	Bocas del Toro.	do	do	do		
New Bedford, Mass.	Oct. 9							No report.	1
New Orleans, La.	Oct. 9							No report.	7
Newport News, Va.								do	
Newport, R. I.	Oct. 9							No transactions.	6
New York, N. Y.									3
Port Royal, S. C.									
Providence, R. I.									
St. Helena Entrance, Fla.	do								

\* Previously reported.

**QUARANTINE REPORTS—Continued.**  
*State and municipal quarantine stations—Continued.*

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Savannah, Ga.	Oct. 9	Nor bk. Ragna*	Sept. 14	Bahia	Savannah	Held for observation	Oct. 3		12
		Nor bk. Ocean*	do.	do	do	do	Oct. 5		
		Nor. bk. Robert Srafton.*	Sept. 16	Demerara	do	Disinfected and held.			
		Br. bk. Lorraine*	Sept. 25	Santos	do	Discharging ballast.			
		Nor. bk. Giltner*	Sept. 26	Bahia	do	In stream			
		Ger. bk. Schifbeck*	do	do	do	do			
		Br. bk. Rothesay Bay*	Sept. 28	Santos	do	In Tybee Roads.			
		Ger. bk. Gesine*	do	do	do	do			
		Nor. bk. Brodrine	Oct. 7	Rio	do	do			
		Span. smack Angelito	Sept. 29	Macao	do	Disinfected and held.	Oct. 4		
Tampa Bay, Fla.	do.			Habana*	Habana				22

\* Previously reported.

*Reports of States and yearly and monthly reports of cities.*

**ILLINOIS—Chicago.**—Month of September, 1897. Estimated population, 1,750,000. Total deaths 1,679, including phthisis pulmonalis, 175; enteric fever, 48; scarlet fever, 5; diphtheria and croup, 53; measles, 2, and whooping cough, 17.

**INDIANA—Evansville.**—Month of September, 1897. Estimated population, 65,000. Total deaths, 66, including phthisis pulmonalis, 6; scarlet fever, 1, and diphtheria, 1.

**LOUISIANA—Shreveport.**—Month of September, 1897. Estimated population, white, 7,500; colored, 7,500; total, 15,000. Deaths, white, 4; colored, 20, including 3 from phthisis pulmonalis.

**MASSACHUSETTS—Fitchburg.**—Month of September, 1897. Estimated population, 28,392. Total deaths, 32, including phthisis pulmonalis, 2; diphtheria, 1, and whooping cough, 1.

**Newton.**—Month of September, 1897. Estimated population, 27,590. Total deaths, 35, including 2 from phthisis pulmonalis.

**MICHIGAN.**—Week ended October 2, 1897. Reports to the State board of health, Lansing, from 59 observers indicate that inflammation of kidney, dysentery, pleuritis, erysipelas, typhoid fever, and influenza increased in area of prevalence. Phthisis pulmonalis was reported present at 172, enteric fever at 65, diphtheria at 27, scarlet fever at 31, measles at 8, and whooping cough at 3 places.

**MINNESOTA—Winona.**—Month of September, 1897. Estimated population, 22,000. Total deaths, 21. No deaths from contagious diseases.

**NEW HAMPSHIRE—Manchester.**—Month of September, 1897. Estimated population, 60,000. Total deaths, 126, including phthisis pulmonalis, 7; enteric fever, 4; diphtheria, 5, and whooping cough, 1.

**OHIO—Dayton.**—Month of September, 1897. Estimated population not reported. Total deaths, 114, including phthisis pulmonalis, 13; enteric fever, 4; diphtheria, 1, and whooping cough, 2.

**Toledo.**—Month of September, 1897. Estimated population, 143,755. Total deaths, 128, including phthisis pulmonalis, 7; enteric fever, 7; diphtheria, 2, and whooping cough, 1.

**PENNSYLVANIA—Williamsport.**—Month of September, 1897. Estimated population, 35,000. Total deaths, 22, including 1 from phthisis pulmonalis.

**TENNESSEE—Knoxville.**—Month of September, 1897. Estimated population, 45,000. Total deaths, 40, including phthisis pulmonalis, 6; enteric fever, 1, and diphtheria, 1.

**Nashville.**—Month of September, 1897. Estimated population, white, 54,595, colored, 33,159; total, 87,754. Deaths, white, 80, colored, 56; total, 136, including phthisis pulmonalis, 20; enteric fever, 11, and diphtheria and croup, 2.

**VIRGINIA—Petersburg.**—Month of September, 1897. Estimated population, white, 12,000, colored, 13,000; total, 25,000. Deaths, white,

23, colored, 23; total, 46, including phthisis pulmonalis, 2; enteric fever, 1; diphtheria, 1, and whooping cough, 2.

WEST VIRGINIA—*Wheeling*.—Quarter ended September 30, 1897. Estimated population, 9,505. Total deaths, 100, including phthisis pulmonalis, 10; enteric fever, 2, and diphtheria, 1.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varicoid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Baltimore, Md.	Oct. 9.	434,439	179	21						6	1	11	1
Bennington, Vt.	do.	6,391	0										
Binghamton, N. Y.	do.	35,005	10	2								1	
Boston, Mass.	do.	448,477	192							7		5	
Bristol, R. I.	Oct. 2	5,478	3							1			
Brockton, Mass.	Sept. 11.	27,294	14	1						1			
Do	Sept. 18.	27,294	15	2						1			
Do	Sept. 25.	27,294	11	3									
Do	Oct. 2	27,294	7										
Brooklyn, N. Y.	Oct. 9.	806,343	332	39						7		21	4
Brownsville, Tex.	Oct. 2	6,134	1										
Bucyrus, Ohio.	do.	5,974	3										
Butler, Pa.	Aug. 21.	8,734	1							1		1	
Do	Aug. 28.	8,734	2										
Do	Sept. 4.	8,734	1										
Do	Sept. 11.	8,734	1										
Do	Sept. 18.	8,734	4										
Do	Sept. 24.	8,734	2										
Cambridge, Mass.	Oct. 9.	70,028	26	5									
Carlisle, Pa.	do.	7,620	2										
Charleston, S. C.	Sept. 25.	* 54,955	† 27	5									
Do	Oct. 2.	* 54,955	† 36	2						2			2
Chicago, Ill.	do.	1,099,850	359	40						10	1	10	1
Cincinnati, Ohio.	Oct. 8.	296,908	99	8						2		7	
Cleveland, Ohio.	Oct. 9.	261,363	102	4						2		3	
Columbus, Ind.	do.	6,719	2										
Columbus, Ohio.	do.	88,150	36										
Dayton, Ohio.	do.	61,220	21	2									
Dunkirk, N. Y.	Oct. 2.	9,416	2							1			
Erie, Pa.	do.	40,634	11										
Everett, Mass.	Oct. 1.	11,068	8	1									
Green Bay, Wis.	Oct. 2.	9,069	7										
Haverhill, Mass.	Oct. 9.	27,412	14	1								1	
Ironton, Ohio.	do.	10,939	3									1	
Jersey City, N. J.	Oct. 3.	163,003	58	6						1		1	
Kalamazoo, Mich.	Oct. 2.	17,853	6										
Lawrence, Mass.	do.	44,654	22								2	1	
Lowell, Mass.	Oct. 9.	77,696	28	3						1			
McKeesport, Pa.	Oct. 2.	20,741	10									2	
Massillon, Ohio.	do.	10,092	2										
Medford, Mass.	Oct. 9.	11,079	2										
Memphis, Tenn.	do.	64,495	28	5									
Michigan City, Ind.	do.	10,776	5	3									
Middletown, N. Y.	Sept. 30.	11,977	9	1									
Middletown, Ohio.	Sept. 11.	7,681	2										
Do	Sept. 18.	7,681	1										
Do	Sept. 25.	7,681	1							1			
Do	Oct. 2.	7,681	2										
Milwaukee, Wis.	Oct. 9.	204,468	56	7								7	
Minneapolis, Minn.	Oct. 2.	164,738	37	3						1		1	
Nashville, Tenn.	Oct. 9.	76,168	24	7									
New Bedford, Mass.	do.	40,733	20										
New Orleans, La.	Oct. 2.	242,039	119	18	17					3			
Newport, R. I.	Oct. 9.	19,457	5										
New York, N. Y.	do.	1,515,301	716	97						8	3	24	9
Norristown, Pa.	Oct. 2.	19,791	5										
Do	Oct. 9.	19,791	5							2			
Omaha, Nebr.	Oct. 2.	140,452	12									2	
Oneonta, N. Y.	Oct. 9.	6,272	3							1			

\* Estimated population, 65,165; white, 28,870; colored, 36,295.

† White, 7; colored 20. ‡ White, 6; colored, 30.





Table of temperature and rainfall, week ended October 4, 1897.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	* Excess.	* Deficiency.	Normal.	Excess.	Deficiency.
<b>Atlantic Coast:</b>						
Eastport, Me.	52		2	.81		.81
Portland, Me.	55		4	.81		.81
Northfield, Vt.	49		3	.56		.56
Boston, Mass.	58		2	.88		.88
Vineyard Haven, Mass.	59		1	.94		.94
Nantucket, Mass.	57		1	.82		.82
Woods Hole, Mass.	59		3	.83		.83
Block Island, R. I.	59		2	.82		.82
New Haven, Conn.	58		3	.91		.90
Albany, N. Y.	57		2	.77		.77
New York, N. Y.	61		2	.84		.80
Harrisburg, Pa.	58	1		.80		.80
Philadelphia, Pa.	62	0		.70		.70
New Brunswick, N. J.	61		2	.81		.81
Atlantic City, N. J.	62		2	.77		.77
Baltimore, Md.	63		1	.78		.78
Washington, D. C.	63		3	.73		.73
Lynchburg, Va.	64	0		.80		.80
Cape Henry, Va.	67		2	.94		.93
Norfolk, Va.	66		2	.94		.92
Charlotte, N. C.	67	0		.81		.81
Raleigh, N. C.	64	2		.89		.89
Kittyhawk, N. C.	68		3	.94		.94
Hatteras, N. C.	70		2	1.47		1.47
Wilmington, N. C.	69		1	1.27		1.25
Columbia, S. C.	69		1	.66		.66
Charleston, S. C.	72		1	1.28		1.28
Augusta, Ga.	69	0		.59		.59
Savannah, Ga.	71		1	1.13		1.13
Jacksonville, Fla.	74		1	1.44	1.47	
Jupiter, Fla.	78		1	2.62	1.04	
Key West, Fla.	81	0		1.69	.88	
<b>Gulf States:</b>						
Atlanta, Ga.	68	2		.64		.64
Tampa, Fla.	76	0		.86		.51
Pensacola, Fla.	74			.87		
Mobile, Ala.	72	4		.94		.94
Montgomery, Ala.	71	2		.59		.55
Vicksburg, Miss.	71	3		.58		.58
New Orleans, La.	74	4		.86		.86
Shreveport, La.	71	6		.77		.77
Fort Smith, Ark.	67	7		.73		.73
Little Rock, Ark.	68	7		.57		.57
Palestine, Tex.	71	5		.73		.73
Galveston, Tex.	76	3		1.21		1.21
San Antonio, Tex.	74	3		.58		.58
Corpus Christi, Tex.	76	1		.79	.72	
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.	67	9		.66		.66
Nashville, Tenn.	66			.72		
Chattanooga, Tenn.	66	3		.79		.79
Knoxville, Tenn.	64	4		.56		.56
Louisville, Ky.	64	6		.56		.56
Indianapolis, Ind.	61	6		.63		.63
Cincinnati, Ohio.	63	4		.49		.49
Columbus, Ohio.	61	2		.56		.56
Parkersburg, W. Va.	59	3		.70		.70
Pittsburg, Pa.	61		2	.56		.56
<b>Lake Region:</b>						
Oswego, N. Y.	56	0		.70		.70
Rochester, N. Y.	56	3		.60		.60
Buffalo, N. Y.	56	2		.83		.83
Erie, Pa.	58	0		.94		.94
Cleveland, Ohio.	59	0		.73		.73
Sandusky, Ohio.	60	0		.58		.58
Toledo, Ohio.	59	4		.49		.49
Detroit, Mich.	57	5		.56		.56
Lansing, Mich.	57	4		.63		.63
Port Huron, Mich.	55	4		.62		.62
Alpena, Mich.	51	8		.91		.91
Sault Ste. Marie, Mich.	49	8		.94		.92
Marquette, Mich.	50	12		.87		.87
Green Bay, Wis.	53	11		.66		.66

\* The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended October 4, 1897—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency	Normal.	Excess.	Deficiency.
<b>Lake Region—Continued.</b>						
Grand Haven, Mich.....	56	3		.80		.80
Milwaukee, Wis.....	55	10		.59		.59
Chicago, Ill.....	58	6		.67		.67
Duluth, Minn.....	50	12		.73		.63
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	53	17		.59		.59
La Crosse, Wis.....	55	12		.79		.79
Dubuque, Iowa.....	58	11		.79		.79
Davenport, Iowa.....	59	11		.66		.66
Des Moines, Iowa.....	59	15		.70		.70
Keokuk, Iowa.....	61	10		.73		.73
Springfield, Ill.....	62	10		.69		.69
Cairo, Ill.....	65	8		.59		.59
St. Louis, Mo.....	64	11		.70		.70
<b>Missouri Valley:</b>						
Columbia, Mo.....	62	12		.51		.51
Springfield, Mo.....	61	15		.80		.80
Kansas City, Mo.....	62	15		.77		.77
Wichita, Kans.....	62	12		.52		.52
Concordia, Kans.....	59	16		.45		.45
Lincoln, Nebr.....	61	15		.37		.37
Omaha, Nebr.....	59	16		.63		.63
Sioux City, Iowa.....	59	17		.27		.27
Yankton, S. Dak.....	57	20		.52		.52
Valentine, Nebr.....	56	14		.21		.17
Huron, S. Dak.....	54	17		.32		.05
Pierre, S. Dak.....	57	15		.20		.13
Moorhead, Minn.....	50	18		.48		.08
Bismarck, N. Dak.....	51	14		.25		.25
Williston, N. Dak.....	49	15		.18		.18
<b>Rocky Mountain Region:</b>						
Havre, Mont.....	50	7		.18	.13	
Helena, Mont.....	51	6		.22		.18
Miles City, Mont.....	53	13		.15		.09
Rapid City, S. Dak.....	55	10		.14		.03
Spokane, Wash.....	54		1	.32		.14
Walla Walla, Wash.....	62		3	.28	.01	
Baker City, Oreg.....	53		3	.21		.16
Winnmucca, Nev.....	54	0		.10		.10
Salt Lake City, Utah.....	59	1		.31	.12	
Lander, Wyo.....	50	6		.17		.15
Cheyenne, Wyo.....	51	9		.19		.19
North Platte, Nebr.....	56	15		.28		.28
Denver, Colo.....	57	7		.21		.21
Pueblo, Colo.....	59			.11		
Dodge City, Kans.....	62	10		.28		.28
Oklahoma, Okla.....	67	7		.55		.55
Amarillo, Tex.....	68		1	.39		.39
Abilene, Tex.....	68	5		.56		.56
Santa Fe, N. Mex.....	55	5		.29	.39	
El Paso, Tex.....	68	3		.21		.21
Phoenix, Ariz.....	75	5		.17	.47	
<b>Pacific Coast:</b>						
Fort Canby, Wash.....	56			.98		
Portland, Oreg.....	57		4	.67		.30
Roseburg, Oreg.....	57		1	.46	.55	
Eureka, Cal.....	53			.46		
Redbluff, Cal.....	68		5	.21	.01	
Carson City, Nev.....	55		3	.07		.01
Sacramento, Cal.....	65		3	.14		.14
San Francisco, Cal.....	60		2	.18		.10
Fresno, Cal.....	71		7	.07	.37	
Los Angeles, Cal.....	66		1	.09	.11	
San Diego, Cal.....	65		1	.00	.04	
Yuma, Ariz.....	79		1	.04		.03

\*The figures in these columns represent the average daily departure.

## FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

*Cholera, yellow fever, and plague as reported to the Supervising Surgeon-General United States Marine-Hospital Service, December 29, 1896, to October 15, 1897.*

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>India:</b>				
Bombay .....	Dec. 8-Dec. 15...	.....	1	
	Dec. 22-Dec. 29...	.....	1	
	Mar. 23-Mar. 30...	.....	1	
	Mar. 31-June 29...	.....	68	
	July 1-Aug. 3...	.....	386	
	Aug. 4-Aug. 31...	.....	509	
Calcutta.....	Sept. 1-Sept. 14...	.....	78	
	Nov. 14-Jan. 30...	.....	267	
	Jan. 31-Feb. 27...	.....	311	
	Feb. 28-Mar. 6...	.....	125	
	Mar. 6-May 29...	.....	1,310	
	May 30-June 26...	.....	176	
	June 27-July 31...	.....	118	
	Aug. 1-Aug. 28...	.....	22	
	Aug. 29-Sept. 4...	.....	6	
	Nov. 21-Nov. 27...	.....	2	
Madras.....	Nov. 28-Dec. 4...	.....	1	
	Dec. 12-Dec. 25...	.....	6	
	Dec. 26-Jan. 29...	.....	22	
	Jan. 30-Feb. 26...	.....	13	
	Feb. 27-Mar. 5...	.....	2	
	Mar. 6-Mar. 19...	.....	1	
	Mar. 20-Mar. 26...	.....	2	
	May 29-June 25...	.....	4	
	June 26-July 30...	.....	12	
	July 31-Aug. 27...	.....	28	
	Aug. 28-Sept. 10...	.....	29	
	Nov. 1-Nov. 30...	.....	12	
Singapore.....	Dec. 1-Dec. 31...	.....	5	
	June 1-June 30...	.....	1	
<b>Ceylon:</b>				
Colombo .....	Nov. 28-Jan. 23...	.....	114	
	Jan. 23-Jan. 30...	.....	1	
	July 3-July 17...	.....	4	
<b>England:</b>				
Plymouth.....	Jan. 9.....	.....	4	On steamship Nubia. No cases in city.
<b>Japan:</b>				
Chiba Ken .....	July 20-Aug. 3...	.....	4	3
Fukuoka Ken.....	June 28-Aug. 3...	.....	6	4
Hio-go Ken.....	June 28-July 6...	.....	1	1
Kanagawa Ken.....	July 7-Aug. 3...	.....	13	9
Kioto Fu.....	July 16-Aug. 3...	.....	2	1
Okinawa.....	July 30-Aug. 3...	.....	1	1
Osaka.....	May 1-July 6...	.....	13	2
Osaka and Hio-go.....	July 16-July 25...	.....	2	2
	Aug. 1-Sept. 4...	.....	5	8
Oyama Ken.....	June 28-July 6...	.....	1	.....
Saitama.....	July 16-July 25...	.....	1	1
Shiga Ken.....	July 20-Aug. 3...	.....	1	1
Tochigi Ken.....	July 20-Aug. 3...	.....	1	1
Tokyo.....	Dec. 4-Dec. 29...	.....	8	7
	Dec. 30-Jan. 19...	.....	3	3
	June 28-Aug. 3...	.....	28	10
	Sept. 3-Sept. 22...	.....	15	5
Yamanashi Ken.....	July 7-July 15...	.....	1	.....
Yamaguchi Ken.....	July 20-Aug. 3...	.....	1	1
Yokohama.....	Dec. 4-Dec. 29...	.....	4	3
	Dec. 30-Jan. 18...	.....	2	2

## Cholera, yellow fever, plague, etc.—Continued.

## YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia .....	May 13-May 19...	5	3	
Para .....	Dec. 12-Jan. 30...		32	
	Jan. 31-Feb. 27...		20	
	Feb. 27-Mar. 6...		9	
	Mar. 13-Mar. 20...		3	
	Apr. 3-Apr. 10...		3	
	May 30-June 5...		4	
	June 20-July 3...		7	
	July 4-July 31...		11	
	Aug. 1-Aug. 28...		16	
	Sept. 5-Sept. 18...		7	
Rio de Janeiro.....	Nov. 21-Dec. 26...		10	
	Dec. 26-Jan. 30...		28	
	Jan. 31-Feb. 6...	12	5	
	Feb. 13-Feb. 20...	21	6	
	Feb. 20-Mar. 6...		16	
	Mar. 7-May 29...	174	78	
	May 30-July 3...	10	7	
	July 4-July 31...	3	2	
	Aug. 8-Aug. 28...	2	1	
Santos.....	Aug. 1-Aug. 7...	1		
Cuba: *				
Cardenas.....	Dec. 25-Jan. 30...	84	8	
	Jan. 31-Feb. 27...	38	1	
	Apr. 17-June 26...	46	9	
	June 27-July 31...	7	3	
	Aug. 1-Aug. 28...		11	
	Sept. 5-Oct. 2...		7	
Cienfuegos.....	Dec. 20-Dec. 27...		8	
	Dec. 28-Jan. 17...		2	
	Apr. 4-Apr. 11...		1	
	May 17-May 23...		1	
	June 20-July 25...		30	
	July 26-Aug. 1...		16	
	Aug. 2-Aug. 29...		33	
	Aug. 30-Oct. 3...		24	
Habana.....	Dec. 17-Dec. 31...	220	79	
	Jan. 1-Jan. 28...	400	144	
	Jan. 28-Feb. 25...	117	44	
	Feb. 25-Mar. 25...	130	38	
	Mar. 25-Apr. 29...	342	85	
	Apr. 30-July 1...	750	279	
	July 2-July 29...		192	
	July 3-Aug. 5...		28	
	Aug. 6-Sept. 2...		108	
	Sept. 3-Sept. 30...		67	
Manzanillo.....	Apr. 1-Apr. 15...		1	
	May 15-May 31...		1	
	June 1-June 15...		1	
	July 2-July 31...		6	
	Aug. 1-Aug. 31...		7	
Matanzas.....	Dec. 9-Dec. 23...		8	
	Dec. 23-Jan. 27...		19	
	Jan. 27-Feb. 24...		4	
	Feb. 25-Mar. 31...		2	
	Apr. 1-June 30...	9	24	
	July 1-July 28...		17	
	July 29-Aug. 4...		4	
	Aug. 5-Sept. 29...		39	
Regla.....	Sept. 1-Sept. 30...		104	
Santiago .....	Dec. 5-Dec. 26...		17	
	Dec. 26-Jan. 30...		16	
	Jan. 16-Jan. 30...		5	
	Jan. 30-Feb. 27...		6	
	Feb. 27-Mar. 27...		3	
	May 2-July 3...	54	64	140 cases in military hospital.
	July 4-July 31...		82	
	Aug. 1-Aug. 28...		56	
	Aug. 29-Oct. 2...		74	
Sagua la Grande.....	Dec. 19-Dec. 26...	50	5	
	Dec. 26-Jan. 9...	65	6	
	Jan. 9-Jan. 30...	110	12	
	Jan. 31-Feb. 27...	35	7	
	Feb. 27-Mar. 27...	54	17	
	Mar. 28-June 26...	304		Number of deaths not given.

\* February 28, 1897, 300 cases of yellow fever were reported among the sick soldiers on the Island.

*Cholera, yellow fever, plague, etc.—Continued.*

## YELLOW FEVER—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Cuba:				
Sagua la Grande.....	June 27-July 31...	185	9	
	Aug. 1-Aug. 28...	130	11	
	Aug. 29-Sept. 25...	180	13	
	Sept. 26-Oct. 2...	30	4	
Ecuador:				
Guayaquil.....	Dec. 18-Jan. 10...		9	
Haiti:				
Port au Prince.....	Dec. 1-Dec. 7...		2	Yellow fever epidemic.
	Dec. 14.....			
	Mar. 1-Mar. 8...		3	
Guadeloupe:				
Basse Terre.....	Jan. 5.....	1		
Jamaica:				
Kingston.....	July 17-July 31...	2	1	
	Aug. 1-Sept. 25...	40	13	
Manchester.....	Aug. 1-Sept. 25...	3	1	
Port Antonio.....	Aug. 1-Sept. 25...	4	3	
Mexico:				
Mazatlan.....	Sept. 26-Oct. 2...		9	Yellow fever reported.
Vera Cruz.....	June 28.....			
	June 25-July 1...		2	
	June 29.....		2	
Nicaragua:				
Corinto.....	Sept. 6.....			Do.
Leon.....	Sept. 6.....			Do.
Managua.....	Sept. 6.....			Do.
Peru:				
Callao.....	June 10-June 17...		2	In harbor on steamship Santiago from Panama.
United States of Colombia:				
Bocas del Toro.....	Aug. 22.....			1 case yellow fever.
Panama.....	Apr. 14.....	26	17	Estimated.
	June 25.....	91	62	
	June 23-July 3...	12	7	
	July 4-Aug. 3...	33	15	
	Aug. 4-Aug. 13...	4	2	
	Sept. 13-Oct. 3...	2	2	
	May 12-May 29...		5	
Colon.....	Aug. 4-Aug. 14...		1	

## PLAGUE.

Arabia:				
Jeddah.....	June 10.....	16	23	
Egypt:				
Suez.....	Mar. 31.....			One case of plague on Br. ss. Dilwara from Bombay.
India:				
Bombay*.....	Dec. 1-Dec. 22...		694	This is the number of deaths officially reported. The United States consul estimates the number of deaths for the same period at 2,763.
	Dec. 22-Jan. 5...		738	Estimated deaths for this same period, 2,953.
	Jan. 5-Jan. 12...		335	Estimated deaths for this same period, 1,388.
	Jan. 12-Jan. 19...		470	Estimated deaths for this same period, 1,462.
	Jan. 19-Jan. 26...		443	
	Jan. 26-Feb. 23...		2,884	Estimated deaths for this same period, 5,845.
	Feb. 23-Mar. 9...		1,282	Estimated deaths for this same period, 2,265.
	Mar. 9-Mar. 30...		1,431	Estimated deaths for this same period, 2,730.
	Mar. 31-June 1...		1,681	Estimated deaths from March 31 to April 20, 2,892.
	June 2-June 29...		90	
	July 1-Aug. 3...		52	
	Aug. 4-Aug. 31...		65	
	Sept. 1-Sept. 14...		60	

\* Official returns show 9,118 cases and 7,602 deaths to March 12.



*Cholera, yellow fever, plague, etc.—Continued.*

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<i>India—Continued.</i>				
Calcutta.....	Feb. 6-Feb. 13.....		1	
Karachi.....	Jan. 11.....			Plague epidemic; 220 cases, 214 deaths to date.
<i>China:</i>				
Amoy.....	June 30.....			Plague epidemic reported.
Hongkong.....	Dec. 13-Dec. 29.....			A few cases.
	May 21-May 29.....	4	2	
	June 6-June 12.....		1	
	June 26-July 17.....		3	
Macao.....	Apr. 1-May 31.....		154	
	June 1-June 3.....	43		
	June 1.....			Plague epidemic reported.
Swato.....	May 4.....			Epidemic of plague reported.
<i>Japan:</i>				
Formosa.....	Nov. 6-Nov. 30.....	53	37	
	Dec. 4-Dec. 29.....		15	
	Jan. 19-Jan. 27.....	3		
	Feb. 23-Mar. 12.....	3		
	Mar. 13-Mar. 23.....	4		
	Mar. 24-Mar. 31.....	3		
	Apr. 1-Apr. 20.....	64	54	
Formosa.....	Apr. 20-May 20.....	268		
	May 31-June 27.....	144		
	June 28-July 25.....	25		
Kanagawa Ken.....	July 7-Aug. 3.....	3	2	
Nagasaki Ken.....	June 9-June 27.....	3	3	
Taihoku.....	Apr. 20-Apr. 27.....	3		
<i>Russia:</i>				
St. Petersburg.....	Apr. 10-Apr. 17.....		1	
Theodosia.....	Mar. 31.....			One case of plague on Br. ss. Baldwin.

## BARBADOS.

*Quarantine regulations in Barbados.*BARBADOS, *October 2, 1897.*

SIR: I have been directed by my board to state for your information that quarantine has been imposed here against Jamaica for yellow fever, a telegram having been received from the governor of that colony to the governor of this island intimating that there had been 16 cases and 9 deaths between July 17 last and September 27.

Quarantine is in force here against Rio Janeiro, Pernambuco, Manaos, Para, Panama, Mayaguez (Porto Rico), Cuba, and Bahia.

The public health of this island is, as usual, good.

I am, yours, etc.,

JAS. SANDERSON,  
Clerk, Quarantine Board.

The SUPERVISING SURGEON-GENERAL,  
U. S. Marine-Hospital Service.

## BRAZIL.

*Sanitary report from Rio.*RIO DE JANEIRO, *September 6, 1897.*

SIR: I have the honor to transmit report for the week ended September 4, 1897:

There were 5 deaths from *accessio pernicioso*, an increase of 2; none from smallpox, one in the foregoing week; 2 from beriberi,

none in the foregoing week ; 1 from enteric fever, none in the previous week ; 2 from measles, none in the week before ; 55 from tuberculosis, an increase of 19 ; none from diphtheria 1 in the week before, and 268 from all causes, an increase of 21. The health of the port and town continues good.

*Bahia.*—The smallpox is rife in this State, due to the agglomeration of troops, and is principally confined to them. Two thousand cases are reported in the hospital under treatment. Yellow fever and beriberi are also reported as making ravages.

Since last report the following-named ships have been inspected and received bills of health from this office : August 30, steamship *Hogarth*, British, for New Orleans, La. August 31, bark *Haffwing*, German, for Brunswick, Ga. September 1, steamship *Loango*, British, for New Orleans, La., and steamship *Sardinian Prince*, British, for New York. September 4, steamship *Buffon*, British, for New York ; bark *Marco Polo*, Norwegian, for Brunswick, Ga. ; steamship *Benridge*, British, for St. Lucia, West Indies ; steamship *Norman Isles*, Norwegian, for New York, N. Y., and barkentine *Frances*, American, for Baltimore, Md. September 6, bark *Dunfion*, British, for New York, and steamship *Darwin*, British, for Galveston, Tex.

Respectfully, yours,

R. CLEARY, M. D.,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

*Sanitary report from Pernambuco.*

PERNAMBUCO, *September 16, 1897.*

SIR: In reply to your letter of July 27, 1897, instructing the consul at this port to furnish full information regarding contagious diseases in bills of health, and also that your Bureau be promptly notified on the outbreak of said diseases, I beg to say that information on the above subject continues to be forwarded as soon as it can be obtained here.

This port is free from disease at present, as the few cases of smallpox occurring are at some distance from the harbor and shipping.

I am, sir, your obedient servant,

JOHN KRAUSE,  
*United States Vice-Consul.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

## CANADA.

*Smallpox in Montreal.*

MONTREAL, October 6, 1897.

The present status of smallpox in this Province is as follows:

Municipality.	County.	Population.	Date of outbreak.	New cases since last report.	Total cases since outbreak.	Died.	Recovered.	Still sick.	Houses infected since outbreak.	Houses still infected.
Montreal City.....	.....	240,000	July 2	a1	17	9	3	b5	12	c0
Westmount.....	Hochelaga.....	6,000	July 26	0	5	1	4	0	2	0
Sie. Cunégonde.....	.....do.....	8,000	Aug. 27	0	1	.....	.....	d1	1	c0

a In a new house; connection with previous cases not established.

b Of whom 4 are in the desquamation period.

c Except the isolation hospital.

d In the desquamation period.

Yours, respectfully,

ELZÉAR PELLETIER,

*Secretary Board of Health of the Province of Quebec.*

## CUBA.

*Smallpox and yellow fever in Cuban seaports.*

October 4: The United States consul at Cardenas reports that during the week ended October 2 there were in that city 1 death from yellow fever and no deaths from smallpox.

October 4: The United States consul at Cienfuegos reports that during the week ended October 3 there were in that city 2 deaths from yellow fever and no deaths from smallpox.

October 1: The United States consul at Matanzas reports that during the week ended September 29 there were in that city 3 deaths from yellow fever.

October 2: The United States sanitary inspector at Habana reports that during the week ended September 30 there were in that city 18 deaths from yellow fever and 4 deaths from smallpox.

He also reports that during the month of September there were in the town of Regla 104 deaths from yellow fever.

October 2: The United States consul at Santiago de Cuba reports that during the week ended October 2 there were in that city 10 deaths from yellow fever.

October 2: The United States consul at Sagua la Grande reports that during the week ended October 2 there were in that city 30 cases and 4 deaths from yellow fever and 25 cases and 1 death from smallpox.

*Sanitary reports from Habana.*

HABANA, CUBA, October 2, 1897.

SIR: I have the honor to transmit the following report for the week ended Thursday, September 30, 1897, giving statements regarding the

progress of infectious and contagious diseases in this city, the sanitary, or rather lack of sanitary, conditions which exist here, and a table of statistics of deaths during the past six weeks.

*Yellow fever.*—There were 18 deaths reported in the city of Habana; 16 among the Spanish soldiers and 2 among the civilians.

I would state, briefly, here that these figures do not show the true state of affairs, but in my report for the month of September will be embodied the correct yellow fever figures, which have been obtained after much expenditure of time and labor.

Smallpox is again on the increase. There were 4 deaths from this disease during the week, none of them among the soldiers but evidently among the country people who have been compelled to enter the city by the government. The deaths from other fevers have not increased much, but the deaths from intestinal diseases are increasing daily. It will be noticed that there were 88 deaths from enteritis and dysentery.

Deaths from starvation are occurring now daily, and I would put the deaths from that cause at 15 for the past week. If the number of deaths could be got at correctly this number would be doubled, but statistics here are hard to obtain.

It is impossible for anyone to have a correct idea of the lack of sanitation in this city without an actual inspection of premises and streets. For ten consecutive days it has rained hard and the streets have been deluged with water for several hours during each day, yet the pavements and sidewalks remain filthy.

The waters of the bay have grown filthier every day from the offal swept from the streets into the sewers and discharged by them into the bay, yet there appears to be much filth remaining.

The weather is much cooler, caused by the heavy rains.

There are no vessels at the Tallapiedra Wharf.

Very respectfully,

W. F. BRUNNER,

*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*

[Inclosure.]

*Comparative statistics of the mortality of the city of Habana for the weeks ended August 26, September 2, September 9, September 16, September 23, and September 30, 1897.*

Disease.	Week ended—					
	Aug. 26.	Sept. 2.	Sept. 9.	Sept. 16.	Sept. 23.	Sept. 30.
Yellow fever.....	31	27	15	11	23	18
Enteric fever.....	24	16	17	16	11	8
Pernicious fever.....	17	13	12	11	8	9
Paludal fever.....	6	6	3	7	7	13
Dysentery.....	34	22	34	31	26	29
Enteritis.....	30	36	55	48	50	59
Smallpox.....	1	2	0	0	1	4
Glanders.....	0	2	0	0	0	0
Diphtheria.....	1	0	0	0	0	2
Pneumonia.....	7	4	2	5	4	0
Tuberculosis.....	37	43	41	45	29	34
From all causes.....	332	302	326	336	330	355
Annual ratio per 1,000.....	87.88	78.52	84.76	87.74	85.80	92.90

*For the month of September.*HABANA, CUBA, *October 4, 1897.*

SIR: The following report for the month of September is respectfully submitted:

The office of the Service is now located in the finest building in Habana, and it has been neatly furnished. The consul-general of the United States has his offices in the same building, which expedites much of the work of the Service.

The work of this office has fallen off during the past month, and the following table will show the movement of vessels and the number of passengers and crew going to the United States:

Class.	Ameri- can.	British.	Span- ish.	Norwe- gian.	Total.
Steamers.....	23	4	11	1	39
Barks.....	1		1		2
Schooners.....	6				6
Total .....	30	4	12	1	47

  

Passengers inspected.....	395
Crew inspected.....	1,876
Total persons.....	2,271

Assistant Sanitary Inspector Dudley reported for duty on Saturday, September 11, and his services have been of value ever since, it being impossible for one man to perform the work of the Service here in a proper manner without overtaxing his strength. This the writer knows from practical experience during the past two months. The inspection of a vessel and of its crew takes some little time, and often causes opposition from the masters of vessels. There is an inclination on the part of several ship agents to dictate the policy of the Service.

The American schooner *John C. Smith*, after lying at the Tallapiedra Wharf for three weeks, left this port for Brunswick, Ga., with 1 man sick with a suspicious fever, and the vessel was ordered to the National Quarantine Station at Tortugas.

The scarcity of animal food has compelled the authorities to allow the importation of cattle, and efforts are being made to bring them from ports on the west coast of Florida from New Orleans and Galveston.

The parties engaged in this business live here and have besieged this office with requests to permit unrestricted trade, especially with the Florida ports, and they apparently can not understand why their business should be interfered with by the quarantine regulations of the United States, and are prone to express freely their ideas of our quarantine affairs, which are not flattering, and some of them can not understand why for a consideration an unrestricted trade can not be established.

This trade will assume some proportions within a few weeks, and the greatest care should be observed in treating these vessels. The vessels must become filthy and they must discharge the cattle at some wharf, preferably on the Habana side, as the abattoirs are on this side of the harbor. Should these vessels go to the wharves at Regla, on the opposite side of the harbor, it is also dangerous, as the two military hospitals in that town are near the wharves, and there are always several hundred cases of yellow fever in them. From the mortality table attached to



this report it will be noticed that there were more deaths in those two hospitals from yellow fever than occurred in the city of Habana.

There is nothing new to say about the bad sanitary condition of the city. It is worse than I have ever seen it since my arrival here on May 1 of the present year.

In spite of the heavy rains which deluge the streets, running over the sidewalks in many places, the city appears to contain more filth than ever. It is impossible to properly describe the absolute want of sanitary measures, the absolute disregard of health laws.

The waters of the bay are reeking with the filth poured into it from the city, and every vessel leaving here for the United States should be regarded with suspicion when said vessel has remained over twenty-four hours in this harbor.

I am more convinced than ever that this city is a constant menace to the health of the United States, and will remain so until modern medical science shall be employed to remedy the evils that have existed here for nearly two centuries.

*Infectious and contagious diseases.*—It is a difficult task to obtain correct data concerning the existence of epidemic diseases. The methods of preparing statistics are so different from those in vogue in other countries, and the manner of classifying diseases so peculiar, that no known nomenclature can be followed. In preparing the mortality table I have endeavored to make it as intelligible as possible.

*Yellow fever.*—As stated in my reports and communications of the past few weeks, I ascertained that there were other hospitals outside of the city of Habana which had been established by the Spanish Government, hence the number of cases of yellow fever occurring in the hospitals of the city had decreased and also the number of deaths in proportion.

I have also discovered that the deaths from this disease occurring in the hospitals at Regla were not included in the number reported during the past few months.

The town of Regla is situated across the harbor from Habana, and there are two large military hospitals containing about 2,000 patients. This town is nearer to the vessels in the harbor than Habana is, and I have prepared a table of the deaths occurring there and it is submitted below.

It will be seen that of 179 deaths occurring in Habana and Regla, the greater number, 104, occurred in the latter place. Of the 75 deaths in Habana, 67 occurred in the military hospitals and 8 among the civilians.

*Smallpox.*—There were 5 deaths during the month, all of them among the civilians, and with the approach of cold weather the disease will again become more prevalent, although there have been such extensive vaccinations that the disease can hardly assume the same proportions it did last winter.

*Beriberi.*—It will be seen that there were 3 deaths from this disease, a fact I did not discover until a few days ago, although I made an inspection of the Chinese quarters. The 3 deaths were among the Chinese; and I could find but 3 cases, none of which were fatal. The disease is not spreading rapidly, but a weekly inspection will be made of the Chinese quarters hereafter.

*Malarial fevers of malignant natures abound.*—There were 135 deaths in Habana from what are termed here cachexia paludica, paludisma, pernicious fever, remittent fever, etc. Intestinal diseases are carrying off scores of people, and the table of mortality will show the enormous



death rate from enteritis, dysentery, and diarrhea both in Habana and Regla. Many of these diseases occur from improper food, and the situation is growing worse every day.

There are 14 deaths directly attributable to starvation, which is, I would estimate, about one-third the actual number of deaths from that cause; and the next few weeks will show a more distressing condition of affairs. Just opposite to the office of the Service a wholesale grocery firm gives a pittance of rice to all who apply for it, twice a week. Hundreds of thin, emaciated people drag themselves there to partake of the bounty, and it is a gruesome sight to observe the condition, or rather lack of physical condition, of the crowd. Your attention is invited to the following figures of the deaths from intestinal diseases for the past six months, the total deaths from all causes, and the annual ratio per thousand for each month. This table will thoroughly exemplify what I have stated above, and yet it is only fair to say that the figures for September are more nearly correct than those of the other five months:

Months.	Deaths from intestinal diseases.	Deaths from all causes.	Annual ratio per 1,000.
April.....	164	1,062	63.32
May.....	126	1,015	60.90
June.....	143	1,041	62.46
July.....	171	1,193	71.52
August.....	291	1,489	86.34
September.....	411	1,778	106.68

Unless the conditions that have existed here for some time are changed, there is every reason to believe that the death rate will continue to increase in the proportion given above.

Very respectfully,

W. F. BRUNNER,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine Hospital Service.*

[Inclosure.]

*Mortality of the city of Habana and town of Regla for the month of September, 1897.*

Diseases.	Habana.	Regla.	Total.
Yellow fever.....	75	104	179
Typhoid fever.....	56	22	78
Malarial fevers.....	135	59	194
Smallpox.....	5	0	5
Diarrhea.....	35	3	38
Dysentery.....	128	39	167
Luteitis.....	248	26	274
Beriberi.....	3	0	3
Starvation.....	14	0	14
Diphtheria.....	2	0	2
Glanders.....	2	0	2
Pneumonia.....	11	0	11
Tuberculosis.....	159	0	159
Total deaths from all causes.....			1,778
Annual ratio per 1,000.....			106.68

*Sanitary report from Santiago.*

SANTIAGO DE CUBA, *October 2, 1897.*

SIR: I have the honor of submitting the following report on the sanitary condition of Santiago de Cuba for the week ended October 2:

Fifty-five deaths have been reported, of which 10 were from yellow fever, 3 from enteritis, 1 from dysentery, 4 from tuberculosis, 2 from typhoid, and 3 from pernicious fevers, and 7 from remittent fevers; the rest from noncontagious diseases.

There are 97 cases of yellow fever at the military hospital, and 982 from all kinds of diseases, malarial fevers and tuberculosis predominating. The temperature is cooler and the general health of the inhabitants has become much better.

Respectfully,

Dr. H. S. CAMINERO,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

JAPAN.

*Sanitary report from Yokohama.*

YOKOHAMA, *September 23, 1897.*

SIR: I have the honor to inclose my regular report of infectious disease in Japan for period September 3 to September 22, inclusive. Large as is the aggregate of dysentery shown by it, I am glad to say that, since the beginning of cooler weather, within the last ten days the disease seems to be declining in severity.

The cases of cholera, reported from Tokyo only, are, as heretofore during this season, of doubtful genuineness.

I am, sir, very respectfully, your obedient servant,

STUART ELDRIDGE,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

[Inclosure.]

*Report of infectious disease in Japan, September 3 to September 22, 1897.*

Locality.	Cholera.		Dysentery.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kioto Fu.....			179	53	2	
Osaka Fu.....			555	143		
Tokyo Fu.....	15	5	2,233	523		
Aichi Ken.....			716	162	6	
Akita Ken.....			17	3		
Awomori Ken.....			64	8		
Chiba Ken.....			616	111		
Fukui Ken.....			120	37		
Fukuoka Ken.....			289	56		
Fukushima Ken.....			149	18	8	1
Gifu Ken.....			377	92		
Gumma Ken.....			2,031	456	3	
Hiogo Ken.....			327	79		
Hiroshima Ken.....			246	102		
Ibaraki Ken.....			268	79		
Ishikawa Ken.....			59	12		
Iwate Ken.....			47	8		
Kagawa Ken.....			530	167		
Kagoshima Ken.....			162	32	11	2
Kanagawa Ken.....			1,087	305	1	
Kochi Ken.....			65	11		
Kumamoto Ken.....	(*)					
Miyagi Ken.....			101	14	7	2
Miyazaki Ken.....			125	17		
Miye Ken.....	(*)					
Nagano Ken.....			2,116	332		
Nagasaki Ken.....			157	39	57	31
Nara Ken.....	(*)					
Niigata Ken.....			576	92	12	5
Oita Ken.....			99	24		
Okayama Ken.....			223	69	1	
Okinawa Ken.....	(*)					
Saga Ken.....			33	9		
Saitama Ken.....			1,885	463		
Shidzuoka Ken.....			1,716	381	4	1
Shiga Ken.....			145	29		2
Shimane Ken.....			320	80		
Tochigi Ken.....			443	136		
Tokushima Ken.....			257	78		
Tottori Ken.....			332	59	1	
Toyama Ken.....			19	8		
Wakayama Ken.....			64	28		
Yamagata Ken.....			59	9		
Yamaguchi Ken.....			451	123		
Yamanashi Ken.....			3,186	633		
Yehime Ken.....			316	38		
The Hokkaido.....			11	1	13	3
Taiwan (Formosa).....	(*)					
Total.....	15	5	22,771	5,110	126	47

\* No report.

## MEXICO.

*Yellow fever in Mazatlan.*

MAZATLAN, MEXICO, October 2, 1897.

Yellow fever not spreading; 9 deaths in seven days. Officials denied to me until yesterday. Ignored by public. Great sanitary precautions to keep from spreading.

DE CIMA,

United States Consul.

Hon. SECRETARY OF STATE.

## NICARAGUA.

*Yellow fever in Managua, Leon, and Corinto.*

MANAGUA, NICARAGUA, September 6, 1897.

SIR: I have the honor to report that the Nicaraguan authorities who have tried to suppress the fact that yellow fever is raging in the interior

of this country, as reported in my dispatch No. 52, dated July 29, are now acknowledging such fact. While they do not admit yet, and probably by right, that the plague is epidemic in Managua (for the cases here may have been sporadic), they announce now publicly that an epidemic of yellow fever is having a stronghold in Leon, our neighboring city, and all precautions are taken and strict quarantine measures have been adopted and published here, in Leon and in Corinto, from which latter place the disease has entered the country. How this fact, or rather the acknowledgment of it by the Nicaraguan authorities, will effect our badly interrupted mail service, is hard to foretell.

I am, sir, your obedient servant,

PAUL WIESIKE,  
United States Consul.

HON. ASSISTANT SECRETARY OF STATE.

#### STATISTICAL REPORTS.

**AUSTRALIA—Brisbane.**—Month of July, 1897. Estimated population, 100,913. Total deaths, 81, including enteric fever, 1; diphtheria, 1, and phthisis pulmonalis, 4.

**BAHAMAS—Dunmore Town.**—Two weeks ended September 24, 1897. Estimated population, 1,472. No deaths.

**Governors Harbor.**—Two weeks ended September 18, 1897. Estimated population, 1,500. No deaths.

**Green Turtle Cay—Abaco.**—Two weeks ended September 23, 1897. Estimated population, 3,900. No deaths.

**CANADA—Nova Scotia—Windsor.**—Month of September, 1897. Estimated population, 3,000. Total deaths, 5, including 1 from enteric fever.

**Ontario—Hamilton.**—Month of September, 1897. Estimated population, 50,000. Total deaths, 50, including 4 from phthisis pulmonalis.

**GREAT BRITAIN—England and Wales.**—The deaths registered in 33 great towns in England and Wales during the week ended September 25 correspond to an annual rate of 17.1 a thousand of the aggregate population, which is estimated at 10,992,524. The highest rate was recorded in Liverpool, viz, 22.5, and the lowest in Swansea, viz, 10.4 a thousand.

**London.**—One thousand three hundred and forty-one deaths were registered during the week, including measles, 18; scarlet fever, 19; diphtheria, 45; whooping cough, 25; enteric fever, 15, and diarrhea and dysentery, 59. The deaths from all causes correspond to an annual rate of 15.7 a thousand. In greater London, 1,754 deaths were registered, corresponding to an annual rate of 14.5 a thousand of the population. In the "outer ring" the deaths included 12 from diphtheria, 2 from measles, 3 from scarlet fever, and 4 from whooping cough.

**Ireland.**—The average annual death rate represented by the deaths registered during the week ended September 25 in the 23 principal town districts of Ireland was 22.8 a thousand of the population. The lowest rate was recorded in Waterford, viz, 8.0, and the highest in Ballymena, viz, 39.5 a thousand. In Dublin and suburbs 190 deaths were registered, including scarlet fever, 4; whooping cough, 4; diphtheria, 1, and enteric fever, 9.

**Scotland.**—The deaths registered in 8 principal towns during the week ended September 25 correspond to an annual rate of 17.8 a thousand of the population, which is estimated at 1,549,907. The lowest mortality was recorded in Paisley, viz, 14.0, and the highest in Greenock, viz, 22.0 a thousand. The aggregate number of deaths registered from all causes

was 532, including measles, 5; scarlet fever, 6; diphtheria, 3, and whooping cough, 20.

SPAIN—*Barcelona*.—Month of July, 1897. Estimated population, 440,000. Total deaths, 1,041, including smallpox 26; enteric fever, 57; diphtheria, 19, and measles, 15.

RUSSIA—*Riga*.—Month of July, 1897. Estimated population, 282,000. Total deaths, 496, including phthisis pulmonalis, 40; enteric fever, 7; scarlet fever, 9; diphtheria and croup, 4; measles, 13, and whooping cough, 6.

UNITED STATES OF COLOMBIA—*Barranquilla*.—Month of August, 1897. Estimated population, 40,000. Total deaths, 69. No deaths reported from contagious diseases.

*Panama*.—Twenty days ended October 3, 1897. Estimated population, 16,000. Total deaths not reported. Two deaths from yellow fever.

MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
											Whooping cough.
Aix la Chapelle .....	Sept. 18.....	112,979	59	.....	.....	.....	.....	.....	.....	.....	1
Amapala.....	do.....	1,500	0	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 25.....	1,500	0	.....	.....	.....	.....	.....	.....	.....	.....
Amherstburg.....	Oct. 2.....	2,300	0	.....	.....	.....	.....	.....	.....	.....	.....
Amsterdam.....	Sept. 25.....	498,893	142	.....	.....	.....	.....	.....	.....	2	.....
Belfast.....	Sept. 18.....	281,431	128	.....	.....	.....	.....	8	.....	1	.....
Do.....	Sept. 25.....	281,431	123	.....	.....	.....	.....	11	.....	1	.....
Belize.....	Oct. 1.....	13,000	2	.....	.....	.....	.....	.....	.....	.....	.....
Birmingham.....	Sept. 25.....	505,772	188	.....	.....	.....	.....	2	.....	2	9
Bluefields.....	do.....	3,000	1	.....	.....	.....	.....	.....	.....	.....	.....
Bombay.....	Sept. 7.....	821,764	*858	37	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 14.....	821,764	†876	41	.....	.....	.....	.....	.....	.....	.....
Bradford.....	Sept. 18.....	221,610	78	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 25.....	221,610	74	.....	.....	.....	.....	.....	.....	.....	.....
Bremen.....	Sept. 18.....	143,000	40	.....	.....	.....	.....	3	1	.....	1
Bristol.....	Sept. 25.....	232,242	74	.....	.....	.....	.....	.....	.....	.....	.....
Brussels.....	Sept. 18.....	531,011	165	.....	.....	.....	.....	2	.....	.....	.....
Budapest.....	Sept. 17.....	640,000	.....	.....	.....	.....	.....	2	.....	.....	.....
Do.....	Sept. 24.....	640,000	.....	.....	.....	.....	.....	1	.....	3	1
Calcutta.....	Aug. 28.....	681,560	479	5	.....	.....	.....	6	.....	.....	.....
Do.....	Sept. 4.....	681,560	49	.....	1	.....	.....	.....	.....	.....	.....
Cardenas.....	Oct. 2.....	23,517	49	.....	.....	.....	.....	.....	.....	.....	.....
Catania.....	Sept. 21.....	124,000	75	.....	.....	.....	.....	2	.....	.....	.....
Christiania.....	Sept. 18.....	192,141	.....	.....	.....	.....	.....	1	.....	.....	.....
Cienfuegos.....	Oct. 3.....	24,030	.....	.....	2	.....	.....	.....	.....	.....	.....
Cologne.....	Sept. 18.....	335,759	117	.....	.....	.....	.....	.....	.....	1	2
Colombo.....	Sept. 4.....	130,000	74	.....	.....	.....	.....	.....	.....	.....	.....
Copenhagen.....	Sept. 18.....	333,714	107	.....	.....	.....	.....	1	.....	.....	.....
Dublin.....	Sept. 25.....	350,000	190	.....	.....	.....	.....	9	.....	4	1
Dundee.....	Sept. 18.....	163,090	58	.....	.....	.....	.....	.....	.....	1	.....
Do.....	Sept. 25.....	163,090	51	.....	.....	.....	.....	.....	.....	2	.....
Dusseldorf.....	Sept. 18.....	189,156	75	.....	.....	.....	.....	.....	.....	.....	.....
Edinburgh.....	do.....	292,364	108	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 25.....	292,364	105	.....	.....	.....	.....	2	.....	3	1
Flushing.....	do.....	17,193	6	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort on the Main.....	Sept. 11.....	240,000	66	.....	.....	.....	.....	.....	.....	.....	.....
Ghent.....	Sept. 11.....	159,218	69	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 18.....	159,218	63	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 25.....	159,218	55	.....	.....	.....	.....	.....	.....	.....	.....
Gibraltar.....	Sept. 19.....	25,900	8	.....	.....	.....	.....	.....	.....	.....	.....
Girgenti.....	Sept. 18.....	24,428	8	.....	.....	.....	.....	.....	.....	.....	.....
Gothenburg.....	do.....	115,896	22	.....	.....	.....	.....	.....	.....	1	.....
Halifax.....	Oct. 2.....	38,700	7	.....	.....	.....	.....	.....	.....	.....	.....
Hamburg.....	Sept. 25.....	641,780	183	.....	.....	.....	.....	.....	.....	2	3
Hamilton.....	Sept. 21.....	15,013	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 28.....	15,013	1	.....	.....	.....	.....	.....	.....	.....	.....
Havre.....	Sept. 18.....	119,470	46	.....	.....	.....	.....	1	.....	.....	.....
Honolulu.....	Sept. 4.....	30,000	14	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 11.....	30,000	14	.....	.....	.....	.....	.....	.....	.....	.....

\* Thirty-three deaths from plague.

† Twenty-seven deaths from plague.



## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Honolulu.....	Sept. 18..	30,000	13								
Kingston, Jamaica.....	Do.....	19,264			3			3			
Do.....	Sept. 25..	19,264			2			2			1
Leeds.....	Do.....	402,449	124					1			
Leghorn.....	Do.....	108,609	37					4		1	
Leith.....	Sept. 18..	75,186	28								
Do.....	Sept. 25..	75,186	25								1
Licata.....	Sept. 18..	20,000	10								
Liege.....	Sept. 25..	116,110	41				2				
Liverpool.....	Do.....	644,129	276					3			
London, Canada.....	Do.....	36,000	5					1		3	4
Do.....	Oct. 2.....	36,000	5								
London, England.....	Sept. 25..	6,291,677	1,754					23	22	57	20
Madras.....	Sept. 3.....	452,518	365	21							
Do.....	Sept. 10..	452,518	355	8		2					6
Madrid.....	Sept. 14..	482,816	218			2					
Magdeburg.....	Sept. 11..	218,946	95				10			3	2
Manchester.....	Sept. 25..	536,426	225								
Mannheim.....	Do.....	101,500	27					2	4	1	5
Maracaibo.....	Sept. 18..	50,000	16							1	
Matamoros.....	Oct. 2.....	12,000	2								
Matanzas.....	Sept. 29..	62,000	101								
Mayence.....	Sept. 25..	74,917	27		3			5			1
Messina.....	Do.....	107,000	13							1	
Moscow.....	Sept. 11..	1,000,000	576						11	8	6
Munich.....	Do.....	418,000	224						1	2	1
Newcastle on Tyne.....	Sept. 25..	212,223	76								
Nuremberg.....	Sept. 11..	176,644	68					1			1
Odessa.....	Sept. 18..	404,000	128						3		
Osaka and Hiogo.....	Sept. 4.....	182,730	98					5	3	2	2
Palermo.....	Sept. 18..	273,000	111	1				2			
Para.....	Do.....	150,000	41							1	
Paris.....	Sept. 4.....	2,511,955	703		3						
Do.....	Sept. 11..	2,511,955	796					10			3
Plymouth.....	Sept. 25..	97,658	21					6	1	4	1
Prague.....	Sept. 18..	193,097	108								
Puerto Cortes.....	Sept. 28..	2,000	0					3	3	4	1
Quebec.....	Oct. 2.....	70,000									
Queenstown.....	Sept. 18..	15,000								3	
Do.....	Sept. 25..	15,000	6								
Rotterdam.....	Do.....	292,551	95								
Sagua la Grande.....	Do.....	17,536	64		2	1					
Do.....	Oct. 2.....	17,536	60								
St. Petersburg.....	Sept. 18..	1,267,023	522								
St. Stephens.....	Oct. 2.....	3,000	6			3		19	19	44	5
St. Thomas.....	Sept. 10..	12,019	7								
Do.....	Sept. 17..	12,019	11								
Do.....	Sept. 24..	12,019	8								
San Juan del Norte.....	Sept. 18..	1,156	0								
Santos.....	Sept. 4.....	40,000	26								
Schiedam.....	Sept. 25..	26,627	10								
Sheffield.....	Do.....	355,080	151					3		2	2
Sonneberg.....	Sept. 18..	12,250	6								
Southampton.....	Sept. 11..	98,002	35								
Do.....	Sept. 18..	98,002	35					1			3
Do.....	Sept. 25..	98,002	32								
South Shields.....	Do.....	95,738	76								
Stettin.....	Sept. 18..	150,000	82					1			1
Stockholm.....	Do.....	274,611	88					4	3	2	
Stuttgart.....	Sept. 25..	158,378	53								
Sunderland.....	Sept. 25..	142,107	58								
Tegucigalpa.....	Sept. 18..	14,000	6					1			1
Trapani.....	Do.....	45,095	13								
Trieste.....	Sept. 25..	158,314	53					1	1		
Tuxpan.....	Sept. 18..	10,280	9								
Venice.....	Sept. 11..	169,107	47								1
Warsaw.....	Sept. 18..	601,408	269		5	1	1	9	8	1	2
Winnipeg.....	Oct. 2.....	38,691	34								
Zurich.....	Sept. 18..	158,000	28							1	

By authority of the Secretary of the Treasury :

WALTER WYMAN,  
Supervising Surgeon-General U. S. Marine-Hospital Service.